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Docket No. 520.42879X00

Serial No. 10/625,639

Office Action dated January 3, 2007

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior listings, and all prior versions, of claims in the application.

LISTING OF CLAIMS:

1. (Currently Amended) An electrophoretic display comprising a first and second substrates each being disposed with a predetermined gap therebetween; a layer comprising an insulating solvent and charged particles dispersed in the insulating solvent, the layer being sandwiched between the substrates; a first electrode disposed on the first substrate on the second substrate; and a second electrode disposed on the second substrate in such a manner that the first and second electrodes are opposite to each other, wherein the first electrode has a network structure with a window in each pixel, wherein the first electrode is divided into a plurality of segments per pixel and the segments have the same voltage in the pixel, and wherein the second electrode is provided with a reflector function with uneven surface comprising a plurality of bumps in each pixel, the bumps being formed continuously and arranged in a string like form.

2. (Previously Presented) The electrophoretic display as defined in claim 19, wherein the first electrode comprises a plurality of segments and is disposed on the first substrate.

3. (Previously Presented) The electrophoretic display as defined in claim 1, wherein the first electrode is disposed on the first substrate, and the second electrode is in a cooperative relation with the reflector.

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4. (Original) The electrophoretic display as defined in claim 2, wherein the first electrode is disposed above the uneven surface of the second electrode.

5. (Previously Presented) The electrophoretic display as defined in claim 2, wherein the first electrode is disposed in areas corresponding to the flat portions of the uneven surface of the second electrode.

6. (Original) The electrophoretic display as defined in claim 4, wherein the uneven surface of the second electrode is patterned at random.

7. (Cancelled)

8. (Previously Presented) The electrophoretic display as defined in claim 6, wherein the uneven surface of the random pattern has a string structure of continuous bumps.

9. (Previously Presented) The electrophoretic display as defined in claim 6, wherein separated electrode segments constitute the first electrode, the segments in the same pixel being on the same potential.

10. (Original) The electrophoretic display as defined in claim 1, wherein the charged particles have a low reflection ratio, its color being substantially black.

11. (Cancelled)

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12. (Original) The electrophoretic display as defined in claim 1, wherein active elements are disposed on the second substrate to display picture images by active matrix drive.

13. (Currently Amended) An electrophoretic display comprising a first and second substrates arranged with a predetermined space; a layer sandwiched between the substrates and comprising an insulating solvent and charged particles dispersed in the solvent; a first electrode disposed on the first substrate or the second substrate; and a second electrode disposed on the second substrate in such a manner that the first and second electrodes are opposite to each other in a pixel, wherein the first electrode is divided into a plurality of segments per pixel and the segments have the same voltage in the pixel, wherein the first electrode has a network structure with a window in each pixel and wherein the second electrode has an uneven surface comprising a plurality of bumps and concaves having a random pattern, the bumps being formed continuously in a string like form.

14. (Original) The electrophoretic display as defined in claim 13, wherein the second electrode has uneven surface and also works as a reflector, and the bumps of the uneven surface are present in the windows of the network structure of the first electrode.

15. (Cancelled)

16. (Cancelled)

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17. (Original) The electrophoretic display as defined in claim 13, wherein separate electrode segments constitute the first electrode, the segments being on the same potential in one pixel.

18. (Original) The electrophoretic display as defined in claim 13, wherein the second substrate is provided with active elements to display imaged by active matrix drive.

19. (Currently Amended) The electrophoretic display as defined in claim 13, wherein the uneven surface of the reflector comprises a plurality of bumps and concaves in a pixel.

20. (Currently Amended) The electrophoretic display as defined in claim 13, wherein the first electrode comprises a plurality of segments in a pixel.

21. (Previously Presented) The electrophoretic display as defined in claim 13, wherein the first electrode is disposed in the areas corresponding to flat portions of the uneven surface of the second electrode.

22. (Previously Presented) The electrophoretic display as defined in claim 13, wherein the uneven surface of the random pattern has a string structure of continuous bumps in a pixel.

23-26. (Canceled)

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27. (Currently Amended) The electrophoretic display as defined in claim 4,
wherein the first electrode is disposed in areas between the bumps in a pixel.

28. (New) An electrophoretic display comprising a first and second substrate each being disposed with a predetermined gap therebetween; a layer comprising a transparent insulating solvent and charged particles dispersed in the insulating solvent, the layer being sandwiched between the substrates; a first electrode disposed between the first and second substrates for applying electric field to the layer; a second electrode supported by the second substrate for applying an electric field to the layer, the second substrate being provided with a plurality of bumps in each pixel for reflecting light; wherein the bumps are formed continuously in a string like form and arranged randomly, wherein the first electrode is divided into a plurality of segments per a pixel and the segments have the same voltage in the pixel.

29. (New) The electrophoretic display according to claim 28, wherein the first electrode is formed on the first substrate and the second electrode is formed on the second substrate.

30. (New) The electrophoretic display according to claim 28, wherein the first electrode and the second electrode are formed on the second substrate in such a manner that the first electrode is separated from the second electrode, wherein the first electrode is divided into a plurality of segments per a pixel and have the same voltage in the pixel.

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31. (New) The electrophoretic display according to claim 28, wherein the first electrode is positioned at the flat portions between the bumps.

32. (New) The electrophoretic display according to claim 28, wherein the first electrode and the second electrode are formed on the second substrate side, the first and second electrodes being separated by an insulator.

33. (New) An electrophoretic display comprising a first and second substrate each being disposed with a predetermined gap between the substrates; a layer comprising a transparent insulating solvent, the layer being sandwiched between the substrates; a first electrode disposed between the first and second substrates for applying electric field to the layer; a second electrode supported by the second substrate for applying an electric field to the layer; and a reflector disposed between the layer and the second substrate; the second reflector being provided with a plurality of bumps for reflecting light; wherein the bumps are formed continuously in a string like form and arranged randomly and wherein the first electrode is divided into a plurality of segments per a pixel and the segments have the same voltage in the pixel.

34. (New) The electrophoretic display according to claim 33, wherein the first electrode is divided into a plurality of segments per a pixel and have the same voltage in the pixel.

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35. (New) The electrophoretic display according to claim 33, wherein the first electrode is formed on the first substrate, and the second electrode is formed on the second substrate side.

36. (New) The electrophoretic display according to claim 33, wherein an insulator is disposed between the second electrode and the reflector.

37. (New) The electrophoretic display according to claim 33, wherein the first electrode and the second electrode are formed on the second substrate side in such a manner that the first and second electrodes are separated by an insulator.

38. (New) An electrophoretic display comprising a first and second substrate each being disposed with a predetermined gap between the first and second substrates; a layer comprising a transparent insulating solvent and charged particles dispersed in the insulating solvent, the layer being sandwiched between the substrates; a first electrode disposed in the layer and between the first and second substrates for applying electric field to the layer; a second electrode supported by the second substrate for applying an electric field to the layer, the second electrode being provided with a plurality of bumps for reflecting light; wherein the bumps are formed continuously and arranged randomly.

39. (New) The electrophoretic display according to claim 38, wherein the first electrode is formed in such a manner as to position at the flat portion between the bumps.